

# PUSH BUTTON APPARATUS

## ABSTRACT

5        A push button apparatus includes a micro switch, an interface structure located on the micro switch, a push button top cap and a compression spring located between the interface structure and the push button top cap. The push button top cap has a bottom surface which has a protrusive hub located thereunder for housing a top section of the interface  
10      structure. The top section of the interface structure is hollow and includes at least one pair of independent and opposing elastic upper arms extending therefrom. Each upper arm has an outer surface that has a retaining jut formed thereon. The protrusive hub has a receiving opening of a selected height formed at a respective location corresponding to the retaining jut to  
15      form a restrictive sliding relationship in between and thereby allows the push button top cap sliding in the top section of the interface structure.